






SIGNAL QUALITY MONITORING AND CONTROL FOR A MEDICAL DEVICE SYSTEM

Patent number: EP1558128
Publication date: 2005-08-03
Inventor: FREI MARK G (US); OSORIO IVAN (US)
Applicant: MEDTRONIC INC (US)
Classification:
- international: **A61B1/00; A61B5/00; A61B5/05; A61B; A61B1/00; A61B5/00; A61B5/05; (IPC1-7): A61B5/00**
- european: A61B5/04R; A61N1/36; A61N1/37B; A61N1/372C
Application number: EP20030777649 20031015
Priority number(s): WO2003US33002 20031015; US20020418580P 20021015; US20030503803P 20030919

Also published as:

 WO2004034885 (A3)
 WO2004034885 (A2)
 WO2004034881 (A3)
 WO2004034881 (A2)
 EP1558128 (A3)

[.more >>](#)[Report a data error here](#)

Abstract not available for EP1558128

Abstract of correspondent: **WO2004034881**

Method and apparatus for detecting possible interference in a neurological signal received from a monitoring element of a medical device system. The monitoring element monitors a condition or a symptom of a nervous system disorder being treated and provides a neurological signal to the medical device system for purposes of providing closed-loop feedback control. The system analyzes various parameters of the received signal by taking instantaneous measurements of data points in moving window and thereby determining whether the signal is of poor quality. If the signal is of determined poor quality, it is removed from consideration in the closed-loop feedback control system until it is determined that the signal quality has sufficiently been restored.

Data supplied from the **esp@cenet** database - Worldwide